MEDION®

Waterproof digital camera

MEDION® LIFE® S41002 (MD 86459)

Instruction manual

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About these instructions

Read the safety instructions carefully before use. Note the warnings on the unit and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the unit or give it away, make sure you also hand over these instructions and the guarantee card.

Symbols and key words used in these instructions

⚠	*DANGER!* *Warning: immediate mortal danger!* *WARNING!* *Warning: possible mortal danger and/or serious irreversible injuries*
❗	**CAUTION!** *Please follow the guidelines to avoid injuries and/or property damage!* **CAUTION!** *Please follow the guidelines to avoid property damage!*

	PLEASE NOTE! Additional information on using the device
	PLEASE NOTE! Observe the notes in the operating instructions!
	WARNING! *Warning: danger of electric shock!*
•	Bulleted item / information on operating steps and results
▶	Tasks to be performed

Proper use

The unit is suitable for recording images in digital format.

Do not operate the camera either in extreme heat or extreme cold.

The unit is not suitable for operation under extreme conditions.

Safety instructions

Dangers for children and people with reduced ability to operate machinery

- This product is not intended for use by people (including children) with reduced physical, sensory or mental abilities or for those without experience and/or knowledge, unless they are supervised by a person responsible for their safety or they have been instructed on its use.

- Children should be supervised to ensure that they do not play with the device. Children should not be allowed to use this device without supervision.

- Keep the appliance and its accessories out of reach of children.

DANGER!
Keep plastic packaging out of reach of children.
There is a risk of suffocation.

Warnings

In order to avoid injury, please heed the following warnings while using the product:

- Do not trigger the flash too close to the eyes. This can cause damage to the eyes of the person being photographed.
- Keep at least 1 m away from children when you are working with the flash.
- Do not open or dismantle the camera.
- If you are not going to use the camera for a period of time, remove the batteries to prevent leakage

Battery information

Batteries may contain combustible materials. If not handled properly, batteries may leak, heat up excessively, ignite or even explode, which could result in damage to the camera and your health.

WARNING!
Risk of explosion if batteries are replaced incorrectly.
Replace batteries only with the same or equivalent type.

Please note the following general instructions for handling batteries:

- Keep batteries out of the reach of children. Seek medical attention immediately if a battery is swallowed.
- Before inserting the batteries, check that the contacts in the device and on the batteries are clean and, if necessary, clean them.
- Pay attention to the polarity (+/–) when inserting the battery.
- Store batteries in a cool, dry place. Strong, direct heat can damage the battery. Therefore, keep the unit away from strong heat sources.
- Avoid contact with skin, eyes and mucous membranes. If any of these areas come into contact with battery acid, rinse them immediately with plenty of clean water and consult a doctor as soon as possible.
- Never throw batteries into a fire, short-circuit them or dismantle them.
- Never expose the batteries to excessive heat, such as sunlight, fire or similar.
- Only replace batteries in dry conditions.
- Remove a leaking battery from the device immediately. Clean the contacts before inserting a new battery. There is a risk of skin irritations from battery acid!

Safety precautions

Take the following safety precautions, in order to avoid damage to your camera and to always keep it in perfect condition.

- Keep away from salt and dust
  If you have been using the camera on the beach or at the seaside, wipe off salt and dust with a light, damp cloth. Carefully dry the camera afterwards.

- Keep the device away from strong magnetic fields.
  Never place the camera too close to appliances which generate strong electromagnetic fields, such as electric motors. Strong electromagnetic fields may result in camera malfunctions or corrupt data recordings.

- Avoid excessive heat
  Do not use or store the camera in sunlight or at high temperatures. Stress of this kind can result in battery leakage or cause the case to warp.

- Avoid extreme fluctuations in temperature
  If you take the camera from a cold environment into a warm one, or vice versa, drops of water can form outside and inside the camera, which can cause malfunctions and can damage the camera. Wait until the device has reached room temperature before switching it on. Use of a carrying case or plastic case offers a certain amount of protection against fluctuations in temperature.

- Do not drop the camera
  Jarring or vibrations resulting from a fall can cause malfunctions. Loop the carrying strap around your wrist when you carry the camera.

- Do not remove batteries while data is being processed.
  Switching off the power supply while image data is being saved to or deleted from memory cards can result in data loss or damage to the internal circuit or the memory.

- Treat the lens and all moving parts carefully.
  Do not touch the lens or the lens barrel. Take care when handling the memory card and the batteries. These parts are not designed for high levels of stress.

- Batteries
  At low temperatures there can be a sharp drop in battery capacity.

- Memory cards
  Switch off the power supply before you insert or remove the memory card otherwise data could be lost. Memory cards may warm up during use. Always take care when removing the memory cards from the camera.

- Underwater operation
  The camera is suitable for underwater operation up to a maximum depth of 3 metres/30 minutes of diving. Please ensure that you do not dive deeper than 3 metres or for longer than 30 minutes.

Never carry out repairs yourself

WARNING!
Never try to open or repair the appliance yourself.
There is a risk of electric shock.

• If there is a fault, contact the MEDION Service Centre or other suitable specialist workshop.

Water resistance

• The camera is water resistant to a depth of 3 metres.
• The camera should only be used for a maximum of 30 minutes under water.
• The accessories included are not water resistant.

Important notes before diving:

- Check the area around the battery compartment.
  Remove any dirt, sand or other particles with a dry cloth.
- Ensure that the battery compartment is not scratched or cracked.
- Ensure there are no cracks in the camera.
- Check that the battery compartment cover is firmly closed.
- Do not throw the camera into the water or jump into the water with the camera as such dynamic forces may result in water penetrating the camera's interior.

Overview of the device
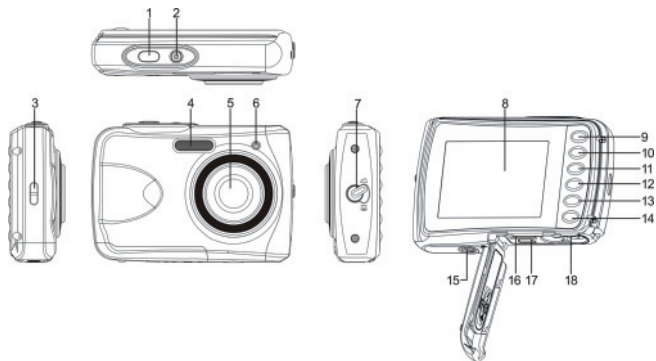
1. Shutter release
2. On/off button
3. Loop for carry strap
4. Flash
5. Lens
6. Operating LED
7. Macro controller
8. LC display
9. ▲ -/T button: Zoom in/Menu selection up

10. ▼ -/W button: Zoom out/Menu selection down
11. ◀ -/Flash button: Set flash mode/Menu selection left
12. ▶ -/Play button: Set play mode/Menu selection right
13. Mode button
14. Menu button
15. Tripod socket under compartment cover
16. Micro SD card slot
17. USB connection
18. Battery compartment

Start-up

Package contents

Please check your purchase to ensure all items are included.
Contact us within 14 days of purchase if the delivery is incomplete.

The following items are supplied with your product:

- Camera
- 2 x 1.5 V, AAA type batteries
- USB cable
- Carrying strap
- Software CD-ROM
- Operating instructions and warranty documents

Inserting batteries

2 x 1.5 V AAA type batteries are required to operate the camera.

▶ Move the battery compartment catch in the direction shown by the arrow.

▶ Slide the battery compartment in the direction of the arrow, the cover pops open.

▶ Insert the batteries as shown. Note the polarity (as shown).
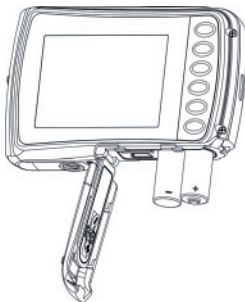
▶ Close the battery compartment and slide the battery compartment cover back into the starting position until it clicks into place.

Inserting and removing SD cards

If no memory card is inserted, photos will be stored in the internal memory.
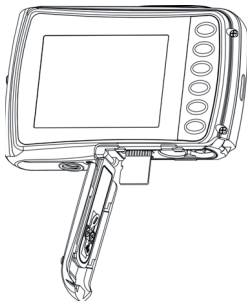
PLEASE NOTE!

Please note that the capacity of the internal memory is limited. Use a micro-SD memory card to increase the memory capacity.

If a memory card is inserted, your photos will be stored on the card.

Insert card

▶ Switch the camera off.

▶ Open the battery compartment cover.

▶ Insert the card, as shown, into the card slot.

▶ Close the cover of the battery compartment.

To remove the card, press it down briefly to release it. The card will then protrude slightly and can be removed.

Fitting the carrying strap

For ease of handling and increased security attach the carrying strap to the camera.

▶ Feed the strap through the eye.
▶ Pull the other end of the carrying strap through the thin loop of the strap and pull tight.

CAUTION!
If you carry the camera by the carrying strap ensure that the camera does not bang into anything.
While you are attaching the carrying strap place the camera on a stable surface so it cannot fall down and get broken.

First steps

Switching on the camera

▶ Press the **ON/OFF** button for 1 to 2 seconds to turn the camera on.
  The ON indicator lights up red and the display switches on. The camera is in recording mode.

PLEASE NOTE!
If the camera does not switch on, check whether the batteries are inserted properly and whether or not they are charged.

Switching off the camera

▶ Press the ON/OFF button down for a little longer to switch the camera off.

Energy-saving function

If the camera is not used for 60 seconds, it switches off. You can also set the automatic switch-off period to 3 minutes or to switch off completely.

The energy-saving function is not enabled:

- while recording video clips;
- while viewing images or video clips;
- when the camera is connected to another device via the USB connection.

Setting the language, date and time

Before using the camera for the first time, select your preferred language from the menu and set the current date and time. Both settings are performed in the **"SETUP"** menu:

▶ With the camera switched on, press the 🔲 button to open the menus.

▶ Use the 🔸 or 🔲 buttons to select the **"SETUP"** 🔧 menu.

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the "**LANGUAGE"** (Engl. Language) entry and press the shutter release. The language selection menu opens.

▶ Select the desired language using the **T** or **W** buttons and save the setting by pressing the shutter release.

▶ Now in the **"SETUP"** menu, use the **T** or **W** buttons to select the **"DATE/TIME"** entry and press the shutter release. The Settings menu opens.

▶ Using the 🔸 or 🔲 buttons, select the entry you wish to change.

▶ Use the **T** or **W** buttons to set the desired value.

▶ Once the desired value has been set, press 🔲 to navigate to the next entry and 🔸 for the previous entry.

▶ Press the shutter release to save the specified values.

Display options

The following displays are possible in shooting mode:
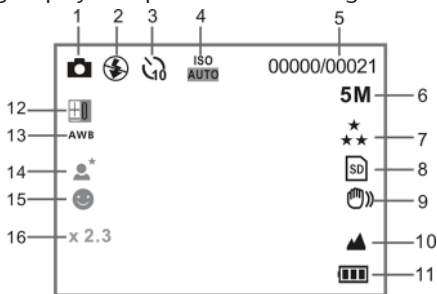
Number	Symbol	Explanation
1	📷	Photo mode
2	⊛	Flash mode
3		Self-timer
4	ISO	Displays the current ISO value set
5		Shows the number of shots taken and remaining.
6	5M	Resolution
7	✭✭	Quality

8	SD	Indicates that a SD card is being used
9	🖐))	Image stabilisation
10	▲	Macro mode
11	▥	Battery status
12		Indicates the current exposure compensation.
13	AWB	White balance
14		Shooting mode
15	☻	Smile capture
16	x 2.3	Zoom factor

Taking your first shots

Setting shooting mode

When the camera is switched on, shooting mode is enabled automatically. If playback mode is enabled instead of shooting mode, press the mode button **M**.

Tips for taking good shots

- The camera should not move when pressing the shutter release. Do not move the camera directly after pressing the shutter release. Wait for the shutter release signal.
- View the subject on the display before pressing the shutter release.
- Check the angle if the subject is lit from behind. Change your position to reduce the background lighting.
- In order to create good video clips, move the camera round slowly. If you pan too quickly, the video pictures will be fuzzy and blurred.

Taking a photo

▶ Press the shutter release all the way down to take the picture. A tone indicates that the photo has been taken.

The photos are saved as JPEG files.

Using the flash

If there is insufficient light for the photo the on-board flash can provide the additional light required.

▶ Press the flash button ⚡ repeatedly to select the following flash settings:

⚡A	AUTO: The flash is activated automatically when the shooting conditions require additional lighting.
⚡	Flash always on
⚡⊘	Flash always off

The flash only works in single shot and self-timer mode. It cannot be used for photo sequences, macro shots and video recordings.

Using the flash increases battery usage. If the battery is almost flat, the flash requires longer to charge.

CAUTION!
Do not use the flash to take close-ups of people and animals. Maintain a distance of at least one metre from your subject.

Zoom function – enlarging or reducing

The camera has an 8x digital zoom.

▶ Press the **T** and **W** buttons. The zoom factor appears in the bottom left-hand corner of the display.

W: The image is zoomed out (wide angle); you can capture a larger section

T: The image is zoomed in (telephoto); you can capture a smaller section.

PLEASE NOTE!
With the digital zoom, the image section is enlarged by interpolation; the image quality can suffer as a result.

Setting the focus mode

This function allows you to define the focus type if you wish to take a photo or record a video clip.

▶ Slide the macro controller to the desired setting.

Your camera offers various focus modes:

▲ Normal

With normal focus, the focus range starts at 40 cm. When the camera is in Normal mode, no icon is displayed.

❦ Macro

This mode is particularly suitable for close-ups. With fixed focus, this mode allows you to capture detail and also to get the subject in focus at much smaller distances.

Recording videos

- ▶ Press the Mode button until the ▭ symbol appears at the top left of the display.
- ▶ Press the shutter release to start the recording. The display will show the recording time.
- ▶ You can change the image section by zooming in and out using the **T** and **W** buttons.
- ▶ Press the shutter release again to stop recording.

PLEASE NOTE!
During video recording, the microphone is enabled and the sound also recorded.

The video clips are saved with sound as AVI files.

The Photo menu

The Photo menu allows you to change key settings for shooting quickly.

There is a separate menu for each shooting mode (video, photo shooting mode). This menu allows you to adjust shot-specific settings for taking photos.

▶ Select the submenu you would like to open using the **T** or **W** buttons.

▶ Press the shutter release to open the desired menu.

▶ Change the desired setting using the **T** or **W** buttons.

▶ Press the shutter release to save the setting.

Shooting mode

The shooting mode allows you to take individual shots or a shot using the self-timer.

Setting	Explanation
Single	Single images are taken
10s timer	A single image is taken using a 10 second self-timer.

Resolution

The resolution basically determines the quality of the photos taken. The higher the resolution, the more memory an image requires. The highest resolutions are generally recommended for large prints (larger than A4).

Setting	Size in pixels
VGA	640 x 480
1.3M	1280 x 960
3M	2048 x 1536
5M	2560 x 1920

Quality (compression)

The quality determines how the data recorded is compressed. The higher the quality, the more storage space the images require.

Setting		Explanation
★★★	Superfine	Highest quality
★★	Fine	Medium quality
★	Normal	Standard quality

Sharpness

The sharpness settings allow photos/films to be softened or sharpened

Setting	Explanation
Strong	The outlines are emphasised in the image. Blurring may occur in the image.
Normal	The outlines are sharp. This setting is particularly suitable for subsequent printing.
Soft	The outlines are softer. This setting is particularly suitable for displaying on-screen.

Exposure compensation (EV)

By correcting the exposure value (EV) you can adjust pictures that would otherwise be too dark or too light.

You can set the value in 13 stages between **+2.0 EV** and **−2.0 EV**.

Use a positive value when light conditions are poor and a negative value in strong light.

Do not use the exposure correction when the subject is in a very bright or very dark area or if you are using the flash. In that case, use the automatic setting (**"0"**).

White balance

The white balance can correct certain light conditions.

Setting	Explanation
Auto	White balance is adjusted automatically.
Daylight	Suitable for shots in bright daylight.
Cloudy	Suitable for shots under cloudy skies, at dusk or in the shade.
Tungsten	For shots taken in electric (tungsten) light.
Flourescent	Suitable for shots in fluorescent light. Corrects the green cast from fluorescent lamp light and can save the flash.

Scene mode

Photo effects can be used in shooting and playback mode to provide different tinges or artistic effects.

Setting	Explanation
Auto	The settings for shooting an image are configured automatically.
Landscape	Suitable for wide landscape views.
Backlight	Adjusts the "Metering" setting to the backlight.

Setting	Explanation
Night scene	Optimises the settings for shooting night scenes.
Portrait	Reduces background focus and focuses on the centre.
Sports	Suitable for creating images with fast movements.

ISO (light sensitivity)

This setting changes the sensor's sensitivity to light. A higher value increases light sensitivity but generates more noise which can have a negative impact on the image quality. It is therefore important to select the lowest possible ISO value for the conditions.

Setting	Explanation
Auto	Automatic ISO value
50	Sets the sensitivity to ISO 50.
100	Sets the sensitivity to ISO 100.
200	Sets the sensitivity to ISO 200.

Smile capture

This function uses face recognition to automatically capture a smiling face.

▶ Select the **ON** or **OFF** option depending on whether you wish to use the function or not.

Stabilisation

Greater sensitivity and faster shutter speeds enable you to obtain better and sharper images with very little effort even in handheld shots or with fast-moving subjects.

▶ Select the **ON** or **OFF** option depending on whether you wish to use the function or not.

The Video menu

The Video menu enables you to quickly change the basic settings for a clip.

There is a separate menu for each shooting mode (video, photo, audio shooting mode). This menu allows you to adjust shot-specific settings for shooting videos.

▶ Select the submenu you would like to open using the **T** or **W** buttons.

▶ Press the shutter release to open the desired menu.

▶ Change the desired setting using the **T** or **W** buttons.

▶ Press the shutter release to save the setting.

Resolution

The resolution determines the image quality. The higher the resolution, the more memory an image requires.

Setting	Size in pixels
QVGA	320 x 240
VGA	640 x 480

The VGA setting is ideal for sending recordings by e-mail, for example.

The settings menu

The Settings menu enables you to rapidly change the settings for a camera.

Date/time

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"DATE/TIME"** entry and press the shutter release. The Settings menu opens.

▶ Using the ♦ or ▶ buttons, select the entry you wish to change.

▶ Use the **T** or **W** buttons to set the desired value.

▶ Once the desired value has been set, press ▶ to navigate to the next entry and ♦ for the previous entry.

▶ Press the shutter release to save the specified values.

The time settings remain stored thanks to the internal battery. They are lost, however, if the battery is removed from the camera for more than 48 hours.

Auto off

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"AUTO POWER OFF"** entry and press the shutter release. The power-saving menu opens.

▶ Use the **T** or **W** buttons to select the period of 3 minutes or 1 minute after which the camera should automatically switch off and confirm your selection by pressing the shutter release.

▶ Set the value to **"OFF"** to disable the power-saving function.

Beep Sound

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"BEEP SOUND"** entry and press the shutter release. The Sound menu opens.

▶ Using the **T** or **W** buttons, select the **ON** or **OFF** option depending on whether you wish to use the function or not.

Language

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"LANGUAGE"** entry and press the shutter release. The language selection menu opens.

▶ Select the desired language using the **T** or **W** buttons and confirm the selection by pressing the shutter release.

Date display

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"DATE STAMP"** entry and press the shutter release. The Settings menu opens.

▶ Select the desired setting using the **T** or **W** buttons and confirm the selection by pressing the shutter release.

Frequency

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"FREQUENCY"** entry and press the shutter release. The Frequency menu opens.

▶ Using the **T** or **W** buttons, select the frequency of 60 Hz or 50 Hz (depending on your television) and confirm your selection with the shutter release.

Format

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"FORMAT"** entry and press the shutter release. The Formatting menu opens.

▶ Using the **T** or **W** buttons, select whether you wish to format the internal memory or the micro SD card and confirm your selection with the shutter release.

ATTENTION!

If you format the memory, all the data saved in it is deleted.

Make sure that there is no important data left in the memory or on the SD card.

Default Settings

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"DEFAULT SETTINGS"** entry and press the shutter release. You are prompted to confirm the command.

▶ Using the **T** or **W** buttons, select the "OK" menu item to restore the camera's default settings from the factory. Confirm your selection with the shutter release.

Version

▶ In the **"SETUP"** menu, use the **T** or **W** buttons to select the **"VERSION"** entry and press the shutter release. An information table appears showing the version information for the camera software.

Shooting and playback mode

Shooting mode is enabled as soon as the camera is switched on. You can begin taking photos straight away. You can also record video clips.

In playback mode, you can play and delete photos and video clips.

▶ To activate playback mode, press the play button ▶. The play icon appears at the top left of the display. The most recently taken image will be displayed.

▶ To return to shooting mode, press the mode button M.

Video playback

▶ Select the desired clip in the relevant playback mode.

▶ The active playback mode can be determined by the corresponding icon 🖼 (photo) or 🎞 (video).

▶ You may also switch between the modes by repeatedly pressing the play button ▶.

▶ Press the shutter release to start playback.

When playing back video clips, hold down the ▶ or ⚡ buttons to fast forward or rewind.

▶ If you wish to pause playback, press the shutter release.

▶ Press the shutter release again to resume playback.

Zooming photos

With photo images, you can view individual sections of the image.

▶ Press the **T** button repeatedly in full size view to enlarge the image section up to 4 times.

▶ Use the **T**; **W**; ▶ and ⚡ buttons to change the image section within the image.

▶ Press the shutter release to return to full screen.

Deleting photos

You can delete photos in playback mode. The quickest way to delete an individual shot is with the 🗑 button.

▶ Select the shot in playback mode and press the 🗑 button.

▶ Using the **T** and **W** buttons, select whether or not the current image/video clip or all images/video clips should be deleted.

▶ To cancel the function, press the 🗑 button again.

▶ The next image is shown on the display.

PLEASE NOTE!
If a memory card is inserted, you can only delete the files on the memory card.

You cannot restore a file that has been deleted. Exercise caution therefore when deleting files.

PC Connection

Transferring data to a computer

You can copy your pictures and videos to a computer.

Supported operating systems:

Windows XP SP3

Windows Vista SP1

Windows 7

Using a USB cable

▶ Connect the supplied USB cable to the USB output on the camera and to the USB port on the computer.

▶ Navigate to the "DCIM" directory and, where applicable, to the relevant subdirectories in order to display the files (*.jpg = photos; *.avi = sound recordings). See also the directory structure in the memory.

▶ Press down the left mouse button and drag the relevant files to the directory provided on the computer, e.g. in the folder "My Documents". You can also highlight the files and use the Windows commands "Copy" and "Paste".

The files are transferred to the computer and stored there. You can display and process the files with a suitable software application.

DCF memory standard

The recordings on your camera are managed (saved, named, etc.) as specified by the DCF standard (DCF = Design Rule for Camera File System). Captures on memory cards from other DCF cameras can also be played back on your camera.

Card drive

If your PC has a card drive or is connected to a card reader and you have saved the shots on the memory card, you can use this to copy the shots onto the PC.

The card reader is also detected as a removable data medium on the Windows desktop (or in "Computer" if using Vista).
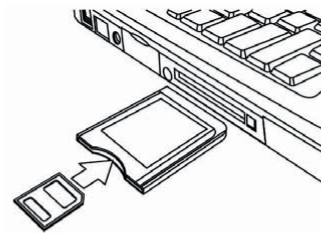
Memory folder structure

The camera saves the pictures and videos files in different directories in the internal memory or on the memory card. The following folders are automatically created upon saving:

DCIM: All pictures, videos and audio files are saved to this folder,

Normal shots are located in the "100MEDIA" folder and automatically named with "PTDC" and a four-digit number. When the highest number has been reached – "PTDC9999", the next folder "101DICAM" is created for the following shots, and so on.

A maximum of 999 folders can be created. If another capture/recording is made after this, an error message will appear ("Directory cannot be created").

▶ Insert a new memory card.

Do not try to change the folders and files in the camera's own directory structure (by renaming, etc.). You might destroy the files by doing so.

Storage capacity

	Size of memory card				
		128 MB	256 MB	512 MB	1 GB	2 GB
Resolution	5 M	80	160	320	625	1250
	3 M	133	266	533	1041	2083
	VGA	611	1223	2466	4778	9557

The table specifies the number of images that you can save at a chosen resolution (e.g. 5 M) on a memory card with a specified size (e.g. 128 MB).

The actual number of photos that can be saved may vary (by up to 30%) depending on the resolution and the number of colours.

Installing the software

On the CD supplied, you will find Arcsoft Media Impression, a program for editing your pictures.

▶ Insert the CD in the CD-ROM drive of your computer.

▶ Normally, the CD is recognised automatically and its contents are displayed on the screen. If not, select the CD drive in Windows Explorer > My Computer and double-click on the drive name to start the CD.

▶ The start page shows an overview of the contents of the CD.

▶ To install the software, select it and click the INSTALL button.

▶ Follow the on-screen instructions.

Troubleshooting

Use the following checklist if the camera does not function correctly. If the problem persists, consult MEDION Service.

The camera will not switch on.
- The batteries were not inserted correctly.
- The batteries are dead.
- The battery compartment door is not closed properly.

The camera is not taking any photos.
- The flash is still charging.
- The memory is full.
- The SD card is not correctly formatted or is defective.
- The maximum number of files has been exceeded. Reset the file numbering function.
- Not enough light. Change the angle of the camera to pick up more light or use the flash.

The flash does not go off.
- The camera was moved during the shot.
- The flash is switched off.
- The camera is in burst, macro or video mode.

The image is blurred.
- The camera was moved during the shot.
- The subject was outside the camera's focal range. Use the Macro mode for close-up pictures if necessary.

The image is not shown on the display.
- An SD card has been inserted which took pictures in non-DCF mode on another camera. The camera cannot display that type of image.

The period of time between shots is longer when taking pictures in the dark
- The shutter usually works slower under weak light conditions. Change the angle of the camera, or improve the light conditions.

The camera switches itself off.
- After a preset period, the camera switches itself off to save energy. Restart the camera.

The shot has not been saved.
- The camera was switched off before the shot could be saved.

Shots on other memory cards are not displayed.
- The shots on memory cards of other cameras are only displayed if the other camera also uses the DCF memory system.

The shots cannot be transferred to the PC via the USB cable.
• The camera is not switched on.

When the camera is connected to the computer for the first time, no new hardware is found
• The USB connection of the computer is deactivated in the BIOS.

• Enable the port in the computer's BIOS. Refer to the PC manual if necessary.

Maintenance and care

Clean the housing, lens and display as follows:

▶ Clean the camera housing using a soft, dry cloth.

▶ Do not use thinners or detergents that contain oil, This could damage the camera.

▶ To cleaning the lens and the display, first use a lens brush to remove any dust. Then wipe the lens and display with a soft cloth. Do not apply any pressure to the display and do not use hard objects to clean it.

▶ Do not use strong cleaning agents for the housing and lens (if there is dirt that cannot be removed, contact your dealer).

Disposal

Packaging

Your camera is packaged to protect it from transportation damage. Packaging is raw material and can be reused or added to the recycling system.

Device

At the end of its service life, the device should not be disposed of with the household rubbish. Dispose of it in an environmentally friendly manner at a local collection point for old appliances. Contact your local authority to find out where your nearest collection point is located.

Batteries

Do not dispose of used batteries in the normal household rubbish. Batteries should be taken to a collection point for used batteries.

Technical data

Pixels:	5.0 megapixels CMOS
Aperture:	F2.8
Focal length:	f = 8.5 mm
Shutter speed:	1/4000–1/8 sec.
Digital zoom:	8 times
LCD monitor:	6.1 cm/2.5" LC display
File formats:	JPEG (EXIF 2.2), AVI

Max. resolution:

Camera mode:	2560 x 1920 pixels
	Video mode: 640 x 480 pixels

Memory:

Internal:	16 MB internal memory (usable memory may vary)
External:	microSD/microSDHC card

Port: Mini USB 2.0
Dimensions: 90 x 61 x 20.5 mm (W x H x D)
Weight: approx. 120 g (including batteries)

Subject to technical and optical changes as well as printing errors.

$C\hspace{-0.2em}\epsilon$